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<u>L5</u>	L4 and human	30	<u>L5</u>
<u>L4</u>	(hormone adj sensitive adj lipase) and (antisense or ribozyme\$)	30	<u>L4</u>
<u>L3</u>	(hormone adj sensitive adj lipase) same (antisense or ribozyme\$)	1	<u>L3</u>
<u>L2</u>	(hormone adj sensitive adj lipase) or (hsl and lipase\$)	95	<u>L2</u>
<u>L1</u>	(hormone sensitive lipase) or hsl	664972	<u>L1</u>

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S3	5	S2 (S) (ANTISENSE OR RIBOZYME?)
S4	1	RD (unique items)
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**Suppression of neutral cholesterol ester hydrolase activity by antisense DNA of hormone-sensitive lipase.**

AUTHOR: Osuga Jun-Ichi; Ishibashi Shun; Shimano Hitoshi; Inaba Toshimori; Kawamura Masako; Yazaki Yoshio; Yamada Nobuhiro(a)

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JOURNAL: Biochemical and Biophysical Research Communications 233 (3):p 655-657 1997

ISSN: 0006-291X

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: In order to investigate the role of the hormone-sensitive lipase (HSL) gene in the activity of neutral cholesterol ester hydrolase (\*NCEH\*) from a molecular perspective, Chinese hamster ovary (CHO) cells were transfected with rat \*antisense\* hormone-sensitive lipase cDNA, and three different cell lines, designated as anti-HSL, were established. \*NCEH\* activity in anti-HSL cells was reduced to approximately 50% of that in control CHO cells. The concentration of cellular esterified cholesterol increased and the concentration of free cholesterol decreased in the anti-HSL cell lines. These results suggest that the HSL gene has a function of \*NCEH\* as well.